

November 14, 2006

STUDOR INC.  
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FERGUSON ENTERPRISES, INC.  
LARRY RIDGEWAY  
12500 JEFFERSON AVE  
NEWPORT NEWS VA 23602

Re: Description: AIR ADMITTANCE VALVES, ALTERNATE PLUMBING SYSTEM  
Manufacturer: FERGUSON ENTERPRISES, INC.  
Product Name: PROFLO AIR ADMITTANCE VALVE  
Model Number(s): FITS 1-1/2" AND 2" PIPE  
Product File No: 20060414

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an alternate approval to s. Comm 82.31 (3)(a) based on the Wisconsin Statutes and the Wisconsin Administrative Code. This approval is valid until the end of November 2011.

This alternate approval is contingent upon compliance with the following stipulation(s):

- This product must be installed in accordance with the manufacturer's printed instructions, system approval, plan approval, and Wis. Adm. Code. If there is a conflict between the manufacturer's instructions and the plan approval, system approval or Wis. Adm. Code, the Wis. Adm. Code, plan approval and system approval will take precedence.
- This product must be installed in the vertical position (plus or minus 15 degrees from plumb).
- This product may only be installed in a vent system that has the required three-inch vent per s. Comm 82.31 (3) (b), Wis. Adm. Code extending to the outside atmosphere.
- The vent system being served by this product may have horizontal offsets located less than 36 inches above the floor on which the fixtures are installed providing the vent does not connect to another vent.
- Branches which have fixtures served by this product must comply with all of the following.
  - When connected to a stack which has four (4) or more branch intervals above the branch connection, the branch must be provided with a relief vent located between most downstream fixture and the stack, and
  - The branch must not connect to any horizontal drain within 20 pipe diameters downstream of the base of a two (2) inch or larger drain stack.
- This product may be located:
  - inside a building,
  - under the overhang of a building,
  - less than 10 feet from an air intake,
  - less than 5 feet from a power exhaust vent,
  - less than 10 feet horizontally from and less than 2 feet above roof scuttles, doors, and openable windows,
  - less than 7 feet above a roof or the surrounding grade of an earth covered roof, however not less than 8 inches, and
  - less than 10 feet horizontally from a lot line.

- This product may serve a pumped-discharge type clothes washer standpipe when:
    - The standpipe and trap is at least 2" inch in diameter,
    - The fixture drain between the trap and point of vent is at least 2" in diameter, and
    - The fixture drain downstream of the point of vent is at least 3" in diameter.
  - This product may only serve as a termination point for a:
    - branch vent,
    - circuit vent,
    - common vent,
    - individual vent, or
    - wet vent.
  - This product may not serve as a vent termination point for any of the following.
    - Vents installed to relief positive pressures,
    - vents serving chemical waste system,
    - vents serving POWTS holding tank or, POWTS treatment tank,
    - a stack vent serving two (2) or more branch intervals,
    - a vent stack that is required in accordance with s. Comm 82.31 (4) (a),
    - a vent serving a sump, or
    - a vent system serving Bio Safety Lab (BSL) 3 or 4 laboratories.
  - This product must be located:
    - a minimum of 4 inches above the top of the horizontal pipe being served (see note a),
    - no more than 20 inches below the flood rim of any fixture served by this product (see note a),
    - at least 6 inches above insulation materials (see note a),
    - in an accessible area,
    - within a ventilated space that allows air to enter the product and has an opening with an area of at least one-inch to the building air or outside air,
    - in accordance with s. Comm 82.31 (9), Wis. Adm. Code, and
    - with at least one open air vent located downstream of all air admittance valves extending to outside atmosphere, and
    - a 3 inch or larger vent must be installed in all systems that include air admittance valves installation.
- Note a: The distance is measured from termination of the vent pipe to the point noted in the stipulation.
- This product must be tested to verify the product can hold a positive pressure equal to one-inch water column for five minutes and will open when it is subjected to a negative pressure equal to or less than minus 0.3 inches of water column after the product is installed or immediately prior to installation.

- This product must be located and the system sized in accordance with Table 1.

ProFlo Air Admittance Valve			
Table 1			
Maximum Drainage Fixture Units Served (see note a)	Maximum Developed Distance of Vent to Connection of Air Admittance Valve		
	1-1/4" Vent Diameter	1-1/2" Vent Diameter	2" Vent Diameter
1	35	NL (see note b)	NL
3	28	140	NL
6	NP (see note c)	100	200
20	NP	60 (see note d)	110
160	NP	NP	25

Notes: a: Drainage Fixture Units based on ch. Comm 82, Wis. Adm. Code  
b: NL means no limit  
c: NP means not permitted  
d: Not more than two (2) water closets or similar type fixtures of four (4) or more drainage fixture units.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen W. Schlueter  
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